



FLIGHT REPORT

NORTH DAKOTA ATMOSPHERIC RESOURCE BOARD

SFN 50864(12/2014)

ENGINES OFF 02:49:03	HOURS 4.08		PAGE # 1	OF 3
ENGINES ON 22:44:00	DRY ICE RATE 0	1 GEN 1.10	2 GEN 0.78	
TOTAL TIME 04:05:03	DRY ICE (lbs) 0.00	EJCTBL (grams) 0	BIP (grams) 0	

DATE June 29, 2017		DISTRICT 2	SEED # 8	PILOT Alex Browne				COPILOT Matthew Adamski				PURPOSE H	REMARKS <small>R - Rain H - Hail O - Other M - Maintenance C - Reconnaissance</small>
Time (HH:MM)	EVENT #	LATITUDE (deg)	LONGITUDE (deg)	CLD BASE (kft)	ALTITUDE (KFT)	UPDRAFT (FT/MIN)	TEMP (°C)	PRECIP CODE**	DRY ICE (sec)	FLARES		WINTIP GEN (#)	
										EJC	BIP		
22:44:12		48.66868	-102.0552		1.9					0	0	0	Engines on in Kenmare.
22:54:14		48.65939	-102.1188		3.4					0	0	0	
23:04:19		48.57787	-102.3337		4.8					0	0	0	
23:14:24		48.64247	-102.6710		4.0					0	0	0	
23:24:27		48.81885	-102.5914		3.9					0	0	0	
23:24:59	1	48.80440	-102.5731	6	3.9	100	10	0		0	0	1	Right burner on.
23:28:45	2	48.77915	-102.5271	5	3.9	0	10	0		0	0	0	Right burner off.
23:30:24	3	48.74506	-102.4891	5.5	3.9	100	10	0		0	0	1	Right burner on.
23:40:25		48.73140	-102.4802		4.1					0	0	1	
23:45:21	4	48.71313	-102.4092	5	4.1	0	10	0		0	0	0	Right burner off.
23:48:10	5	48.64066	-102.2918	5.5	5.0	200	8	0		0	0	1	Right burner on.
23:50:14	6	48.64080	-102.3328	6	4.7	300	8	0		0	0	0	Right burner off.
23:53:52	7	48.54456	-102.2323	6	3.9	200	10	0		0	0	1	Right burner on.

**PRECIPITATION INTENSITY

- 0 - No Precipitation
- 1 - virga only, precip not to ground
- 2 - rain shaft to surface, light
- 3 - rain shaft well established, but can be seen through
- 4 - heavy rain shaft, cannot be seen through

MISSION SUMMARY

Departed Kenmare to the west and found spotty inflow not more than a few hundred feet per minute. One burner was turned on. We flew from cell to cell to find inflow, and we turned the burner off between each cell. We then departed to the southwest towards a cell west of New Town and one burner was tuned on. Several hundred feet of inflow was observed and we were instructed to turn on the second burner. We followed the cell from near New Town to the buffer zone in the southeast of the district where it dissipated rapidly. Both burners were turned off and we RTB Kenmare.



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										EJC	BIP		
00:00:11	8	48.37565	-102.3236	5.5	3.6	300	11	0		0	0	0	Right burner off.
00:10:12		48.11078	-102.6216		3.5					0	0	0	
00:20:17		47.84977	-102.6778		3.7					0	0	0	
00:30:18		48.13722	-102.4996		4.2					0	0	0	
00:32:25	9	48.19617	-102.5409	5.5	4.2	200	9	0		0	0	1	Right burner on.
00:42:26		48.21685	-102.3706		3.7					0	0	1	
00:44:37		48.19563	-102.3598	5.2	3.8	400	10	0		0	0	1	
00:48:26	10	48.19586	-102.2836	5.5	3.9	200	10	0		0	0	2	Left burner on.
00:58:32		48.17299	-102.2393		3.9					0	0	2	
01:08:37		48.11468	-102.1974		3.8					0	0	2	
01:18:38		48.09060	-102.0981		3.9					0	0	2	
01:28:40		48.05619	-101.9639		3.9					0	0	2	
01:35:14	11	48.01042	-101.9573	4	3.7	100	13	0		0	0	1	Left burner off.

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01:45:19		47.93589	-101.9022		4.1					0	0	1	
01:55:20		47.86289	-101.7992		4.0					0	0	1	
01:58:01	12	47.86500	-101.7541	4	3.9	100	14	0		0	0	0	Right burner off.
02:08:02		47.87080	-101.4940		4.0					0	0	0	
02:18:08		48.15375	-101.3432		3.9					0	0	0	
02:28:13		48.35702	-101.6157		4.0					0	0	0	
02:38:18		48.56050	-101.9345		3.0					0	0	0	
02:48:19		48.66912	-102.0555		1.9					0	0	0	
02:49:03		48.66914	-102.0555		1.9					0	0	0	Engines off in Kenmare.

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